

ATTENTION:

This specimen label is provided for general information only.

- This pesticide product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state and local laws and regulations regarding the use of pesticides.
- Before using any pesticide, be sure the intended use is approved in your state or locality.
- Your state or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label. You must have the EPA approved labeling with you at the time of use and must read and follow all label directions.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the pesticide you are using.

100110P6-4

Group 11 Fungicide

ACCELERON[®] DX-109

Fungicide Seed Treatment

For commercial use

Seed treatment for disease control and
plant health in cotton and soybean

Active Ingredient*:

pyraclostrobin: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester)..... 18.4%

Other Ingredients: 81.6%

Total: 100.0%

* Equivalent to 1.67 pounds of pyraclostrobin per gallon formulated as a flowable concentrate for seed treatment.

EPA Reg. No. 7969-266-524

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

See inside for complete **First Aid, Precautionary Statements,**

Directions For Use, Conditions of Sale and Warranty,
and state-specific crop and/or use site restrictions.

**In case of an emergency endangering life or property involving this product,
call collect day or night 1-314-694-4000.**

For **PRODUCT USE** Information Call 1-877-775-8787

FIRST AID

If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• DO NOT induce vomiting unless told to do so by a poison control center or doctor.• DO NOT give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none">• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes.• Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.• Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical emergency involving this product, call Monsanto Company at **1-314-694-4000** (call collect) or dial 911.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Avoid contact with skin or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, natural rubber* \geq 14 mils, polyethylene, polyvinyl chloride (PVC) \geq 14 mils, or viton \geq 14 mils
- Shoes plus socks

* Includes natural rubber blends and laminates

Applicators and other handlers of tuberous and corm vegetable seed pieces must wear:

- Coveralls (all day, including during cleanup)
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, natural rubber* \geq 14 mils, polyethylene, polyvinyl chloride (PVC) \geq 14 mils, or viton \geq 14 mils
- Shoes plus socks
- Dust/mist respirator with PF10

* Includes natural rubber blends and laminates

In addition to the PPE listed in other portions of the Personal Protective Equipment (PPE) section, handlers involved in multiple commercial seed treatment activities must wear:

- Dust/mist respirator with MSHA/NIOSH approval number prefix TC-21 or any N, R, P, or HE filter

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This product is toxic to fish and aquatic invertebrates. **DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or the regional office of the EPA. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in possession of the user at the time of fungicide application.

DO NOT apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. For requirements specific to your state or tribe, consult the agency responsible for pesticide regulation. Unless otherwise directed in supplemental labeling, all applicable directions, restrictions, precautions, and **Conditions of Sale and Warranty** are to be followed.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container only. Keep container closed when not in use. **DO NOT** store near food or feed.

Pesticide Disposal: To avoid pesticide waste, use all material in this container by application according to label directions. If pesticide waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling: Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity \leq 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows:

Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable Container. Refill this container with pesticide only. DO NOT reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

In Case of Emergency

In case of a large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- Monsanto Company 1-314-694-4000 (call collect)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- Monsanto Company 1-314-694-4000 (call collect)

Steps to take if this material is released into the environment or spilled:

- Wear Personal Protective Equipment (PPE) and avoid exposure when managing a spill. (See Precautionary Statements section of this label for required PPE.)
- Dike and contain the spill with inert, absorbent material (e.g., sand, earth) and transfer liquid and solid diking material to separate containers for disposal. Small-scale spills of this product (that can be cleaned up with a typical spill kit) may be applied to labeled sites.
- Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before reuse.
- Keep spill out of all sewers and open bodies of water.

Product Information

Acceleron® DX-109 Fungicide Seed Treatment is a broad-spectrum liquid fungicide that protects seed and seedlings from certain seed and soilborne diseases resulting in improved plant health. **Acceleron® DX-109 Fungicide Seed Treatment** increases emergence and plant stands by controlling or suppressing these diseases. See Table 1 for crop uses and diseases controlled or suppressed by **Acceleron® DX-109 Fungicide Seed Treatment**. Disease symptoms such as seed rot, seedling rot, seedling blight, root rot, and damping-off (preemergence or postemergence) can be associated with the actions of various fungal pathogens. These symptoms are referred to in Table 1 as "seed and seedling disease".

Seed treatment applications with **Acceleron® DX-109 Fungicide Seed Treatment** have been associated with more rapid and increased emergence of seedlings under certain cold conditions.

Use the higher rates of **Acceleron® DX-109 Fungicide Seed Treatment** when disease pressure is expected to be high.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

Mode of Action

Pyraclostrobin, the active ingredient of **Acceleron® DX-109 Fungicide Seed Treatment**, belongs to the group of respiration inhibitors classified by the US EPA and Canada PMRA as quinone outside inhibitors (QoI), or target-site-of-action Group 11 fungicides.

Resistance Management Recommendations

Fungal isolates with acquired resistance to **Group 11** fungicides may eventually dominate the fungal population if **Group 11** fungicides are used predominantly and repeatedly in the same field in successive years as the primary method of control for the targeted pathogen species. This may result in partial or total loss of control of those species by **Acceleron® DX-109 Fungicide Seed Treatment** or other **Group 11** fungicides.

To delay the development of fungicide resistance:

- Use **Acceleron® DX-109 Fungicide Seed Treatment** in mixtures with fungicides from different target-site-of-action groups registered/permitted for the use and that are effective against the pathogens of concern.
- Use at least the minimum labeled rate of each fungicide in the tank mix.
- Use of **Acceleron® DX-109 Fungicide Seed Treatment** should be integrated into an

overall disease and integrated pest management program.

- Cultural practices known to reduce disease development should be followed.
- Consult your local extension specialist, certified crop advisor, and/or MONSANTO representative for additional IPM and resistance management strategies established for your area.

Application Instructions

Acceleron® DX-109 Fungicide Seed Treatment can be used in commercial seed treatment facilities. **DO NOT** use for applications at hopper box, planter box, seed treaters, etc. For use with commercial or professional seed treatment application equipment only.

Seed must be of a good quality, well conditioned, and free of chaff before treatment.

The purchaser of **Acceleron® DX-109 Fungicide Seed Treatment** is responsible for ensuring all seed treated with this product is adequately dyed with a suitable color to prevent accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25.

- Use an EPA-approved dye or colorant that imparts an unnatural color to the seed.
- Any dye or colorant added to treated seed must be cleared for use under 40 CFR, Part 180.900, "Exemptions from the requirement of a tolerance". Federal regulations have established official tolerances or exemptions from tolerances for residues on food and forage crops that must not be exceeded when the product (dye or colorant) is used at specified rates.

Prepare no more mixture of **Acceleron® DX-109 Fungicide Seed Treatment** than is needed for immediate application to seed. Refer to the **Tank Mixing Information** section of this label. Apply **Acceleron® DX-109 Fungicide Seed Treatment** at the rates listed in **Table 1** as a water-based mixture using standard slurry or mist-type seed treatment application equipment. The exact amount of water needed to provide the mixture or slurry rate for uniform and complete coverage of the seed surface is difficult to predict because weather conditions, seed type and surface, and equipment used all have a bearing on coverage. Thorough seed coverage and proper application equipment calibration are essential for good disease control. Consult a seed treatment specialist regarding slurry rates for the crop seed to be treated with **Acceleron® DX-109 Fungicide Seed Treatment** and for calibration and operation procedures of the seed treatment equipment.

Tank Mixing Information**Tank Mix Partners**

When using **Acceleron® DX-109 Fungicide Seed Treatment** in a tank mixture with other seed treatment products, follow all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations on the tank mix partner label. **DO NOT** exceed label dosage or application rate. The most restrictive label precautions and limitations must be followed. **Acceleron® DX-109 Fungicide Seed Treatment** must not be mixed with any product that prohibits such mixing.

Compatibility Test for Tank Mix Components

When tank mixing **Acceleron® DX-109 Fungicide Seed Treatment**, always test compatibility before use by performing a jar test as follows:

1. Add all intended seed treatment products and the appropriate amount of water in a clear glass jar.
2. Mix well and allow to sit for one hour.
3. Remix and observe for physical incompatibility.

Also test with the seed to ensure the combination of tank mix products does not have detrimental effects on the seed.

Mixing Order

For containers 5 gallons or less, shake well before use. For containers greater than 5 gallons, recirculate before use.

1. **Water** – add ¾ of the required volume of water to the mix tank and turn on agitation.
2. **Agitation** – Mechanical agitation is required for proper mixing of **Acceleron® DX-109 Fungicide Seed Treatment**.
3. **Dye or colorant**
4. **Wettable powders**
5. **Soluble powders**
6. **Flowable formulations** (such as **Acceleron® DX-109 Fungicide Seed Treatment**)
7. **Emulsifiable concentrates**
8. **Water** – Remaining ¼ of required water volume is added last and can be used as rinsate for the chemical container or to adjust the total slurry to compensate for water displacement by powdered products.

Maintain agitation until the entire slurry mixture has been used.

Ensure seed is dry before bagging.

Use Restrictions

- **DO NOT** use treated seed for food, feed, or oil processing.
- **DO NOT** store **Acceleron® DX-109 Fungicide Seed Treatment** near feed or foodstuffs.
- **DO NOT** contaminate feed or foodstuffs.
- **DO NOT** contaminate domestic or irrigation waters.
- **DO NOT** plant any crop not listed on this label within 30 days after planting **Acceleron® DX-109 Fungicide Seed Treatment**-treated seed.
- **DO NOT** use the same auger for treating seed that will handle commercial or feed grains.
- **DO NOT** store leftover treated seed where there is a chance of it becoming mixed with untreated seed.

Store treated seed in cool, dry conditions.

TREATED SEED MUST BE LABELED AS FOLLOWS:

Seed treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag. "This package or bag contains seed that has been treated with **Acceleron® DX-109 Fungicide Seed Treatment** containing pyraclostrobin. **DO NOT** use for food, feed, oil processing, or any other purpose except planting. Store away from feed or foodstuffs. **DO NOT** allow children, pets or livestock to have access to treated seeds. Wear long

pants, long-sleeved shirt, shoes and socks, and chemical-resistant gloves made of any waterproof material when opening this bag or handling (e.g., loading, pouring) treated seed or seed pieces. After the seeds and/or seed pieces have been planted in soil or other planting media, **DO NOT** enter or allow worker entry into areas with treated seeds and/or seed pieces during the restricted-entry interval of 12 hours, except that workers may enter the areas with treated seeds and/or seed pieces without restriction if there will be no worker contact with the soil/media subsurface."

Table 1. Acceleron® DX-109 Fungicide Seed Treatment Crop-specific Use Directions

Crop	Disease	Rate fl ozs/100 lbs seed (lb ai/100 lbs seed)
Cotton	Control of: • Seed and seedling disease caused by: -Rhizoctonia solani Suppression of: • Seed and seedling disease caused by: -Fusarium spp. -Pythium spp.	1.5 to 3.0 (0.02 to 0.04) [equivalent to 0.02 to 0.04 mg ai per seed based on 4,500 seeds per pound]
Soybean (Glycine spp.)	Control of: • Seed and seedling disease caused by: -Rhizoctonia solani Suppression of: • Seed and seedling disease caused by: -Fusarium spp. -Phomopsis spp.	0.4 to 1.5 (0.005 to 0.02) [equivalent to 0.0084 to 0.031 mg ai per seed based on 2,800 seeds per pound]

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as the presence of other or untested or unapproved materials, seed of low quality or low vigor or low germination, use of the product in a manner inconsistent with its labeling, misapplication of the product, or weather conditions at planting or environmental conditions during seed storage, all of which are beyond the control of MONSANTO COMPANY ("MONSANTO") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

MONSANTO warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MONSANTO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND MONSANTO'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MONSANTO AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

MONSANTO and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of Monsanto Company.

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